

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/584,338
Source: IFWP
Date Processed by STIC: 7/7/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 07/07/2006

PATENT APPLICATION: US/10/584,338

TIME: 14:33:49

Input Set : A:\CYTHERA045NP.TXT

Output Set: N:\CRF4\07072006\J584338.raw

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4 <110> APPLICANT: NOVOCELL, INC.
5     D'Amour, Kevin Allen
6     Agulnick, Alan D.
7     Baetge, Emmanuel E.
10 <120> TITLE OF INVENTION: DEFINITIVE ENDODERM
13 <130> FILE REFERENCE: CYTHERA.045NP
C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/584,338
16 <141> CURRENT FILING DATE: 2006-06-23
18 <150> PRIOR APPLICATION NUMBER: PCT/US2004/043696
19 <151> PRIOR FILING DATE: 2004-12-23
21 <150> PRIOR APPLICATION NUMBER: 60/532004
22 <151> PRIOR FILING DATE: 2003-12-23
24 <150> PRIOR APPLICATION NUMBER: 60/586566
25 <151> PRIOR FILING DATE: 2004-07-09
27 <150> PRIOR APPLICATION NUMBER: 60/587942
28 <151> PRIOR FILING DATE: 2004-07-14
30 <160> NUMBER OF SEQ ID NOS: 2
32 <170> SOFTWARE: FastSEQ for Windows Version 4.0
34 <210> SEQ ID NO: 1
35 <211> LENGTH: 1245
36 <212> TYPE: DNA
37 <213> ORGANISM: Homo sapiens
39 <400> SEQUENCE: 1
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41 cccgcggtga tggccgggct gggccctgc ccctgggcg agtcgctgag ccccatcggg 120
42 gacatgaagg tgaagggcga ggcgcggcg aacagcggag caccggccgg ggcgcgggc 180
43 cgagccaagg gcgagtcgct tatccggcg ccgatgaacg ctttcaggt gtgggctaag 240
44 gacgagcgca agcggctggc gcagcagaat ccagacctgc acaacgccga gttgagcaag 300
45 atgctgggca agtcgtgga ggcgctgacg ctggcggaga agcggccctt cgtggaggag 360
46 gcagagcggc tgcgcgtgca gcacatgcag gaccaccca actacaagta ccggccgcgg 420
47 cggcgcaagc aggtgaagcg gctgaagcgg gtggaggggc gcttctgca cggcctggct 480
48 gagccgcagg cggccgcgct gggcccgag ggcggccgcg tggccatgga cggcctgggc 540
49 ctccagttcc ccgagcaggg ctccccgcc gggccgcgc tgctgcctcc gcacatgggc 600
50 ggccactacc gcgactgcca gagtctgggc gcgcctccgc tcgacggcta cccgttgccc 660
51 acgcccagca cgtccccgct ggacggcgtg gaccccgacc cggctttctt cgccgccccg 720
52 atgcccgggg actgcccggc ggccggcacc tacagctacg cgcaggtctc ggactacgct 780
53 ggccccccgg agcctccgc cggtcccatg ccccccgac tcggcccaga gcccgcggg 840
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55 ggctcgcccc gggcgggcgg cgggcgcggc ttccagatgc agccgcaaca ccagcaccag 960
56 caccagcacc agcaccaccc cccgggcccc ggacagccgt cggccctcc ggaggcactg 1020
57 ccctgcccgg acggcacgga cccagtcag cccgcggagc tcctcgggga ggtggaccgc 1080
58 acggaatttg aacagtatct gcacttcgtg tgcaagcctg agatgggcct cccctaccag 1140
59 gggcatgact ccggtgtgaa tctccccgac agccacgggg ccatttcctc ggtggtgtcc 1200

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62 <210> SEQ ID NO: 2
63 <211> LENGTH: 414
64 <212> TYPE: PRT
65 <213> ORGANISM: Homo sapiens
67 <400> SEQUENCE: 2
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69 1 5 10 15
70 Gln Ser Ala Leu Pro Ala Val Met Ala Gly Leu Gly Pro Cys Pro Trp
71 20 25 30
72 Ala Glu Ser Leu Ser Pro Ile Gly Asp Met Lys Val Lys Gly Glu Ala
73 35 40 45
74 Pro Ala Asn Ser Gly Ala Pro Ala Gly Ala Ala Gly Arg Ala Lys Gly
75 50 55 60
76 Glu Ser Arg Ile Arg Arg Pro Met Asn Ala Phe Met Val Trp Ala Lys
77 65 70 75 80
78 Asp Glu Arg Lys Arg Leu Ala Gln Gln Asn Pro Asp Leu His Asn Ala
79 85 90 95
80 Glu Leu Ser Lys Met Leu Gly Lys Ser Trp Lys Ala Leu Thr Leu Ala
81 100 105 110
82 Glu Lys Arg Pro Phe Val Glu Glu Ala Glu Arg Leu Arg Val Gln His
83 115 120 125
84 Met Gln Asp His Pro Asn Tyr Lys Tyr Arg Pro Arg Arg Arg Lys Gln
85 130 135 140
86 Val Lys Arg Leu Lys Arg Val Glu Gly Gly Phe Leu His Gly Leu Ala
87 145 150 155 160
88 Glu Pro Gln Ala Ala Ala Leu Gly Pro Glu Gly Gly Arg Val Ala Met
89 165 170 175
90 Asp Gly Leu Gly Leu Gln Phe Pro Glu Gln Gly Phe Pro Ala Gly Pro
91 180 185 190
92 Pro Leu Leu Pro Pro His Met Gly Gly His Tyr Arg Asp Cys Gln Ser
93 195 200 205
94 Leu Gly Ala Pro Pro Leu Asp Gly Tyr Pro Leu Pro Thr Pro Asp Thr
95 210 215 220
96 Ser Pro Leu Asp Gly Val Asp Pro Asp Pro Ala Phe Phe Ala Ala Pro
97 225 230 235 240
98 Met Pro Gly Asp Cys Pro Ala Ala Gly Thr Tyr Ser Tyr Ala Gln Val
99 245 250 255
100 Ser Asp Tyr Ala Gly Pro Pro Glu Pro Pro Ala Gly Pro Met His Pro
101 260 265 270
102 Arg Leu Gly Pro Glu Pro Ala Gly Pro Ser Ile Pro Gly Leu Leu Ala
103 275 280 285
104 Pro Pro Ser Ala Leu His Val Tyr Tyr Gly Ala Met Gly Ser Pro Gly
105 290 295 300
106 Ala Gly Gly Gly Arg Gly Phe Gln Met Gln Pro Gln His Gln His Gln
107 305 310 315 320
108 His Gln His Gln His His Pro Pro Gly Pro Gly Gln Pro Ser Pro Pro
109 325 330 335
110 Pro Glu Ala Leu Pro Cys Arg Asp Gly Thr Asp Pro Ser Gln Pro Ala

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111				340				345					350				
112	Glu	Leu	Leu	Gly	Glu	Val	Asp	Arg	Thr	Glu	Phe	Glu	Gln	Tyr	Leu	His	
113				355				360					365				
114	Phe	Val	Cys	Lys	Pro	Glu	Met	Gly	Leu	Pro	Tyr	Gln	Gly	His	Asp	Ser	
115			370					375					380				
116	Gly	Val	Asn	Leu	Pro	Asp	Ser	His	Gly	Ala	Ile	Ser	Ser	Val	Val	Ser	
117	385						390					395				400	
118	Asp	Ala	Ser	Ser	Ala	Val	Tyr	Tyr	Cys	Asn	Tyr	Pro	Asp	Val			
119					405						410						

VERIFICATION SUMMARY

DATE: 07/07/2006

PATENT APPLICATION: US/10/584,338

TIME: 14:33:50

Input Set : A:\CYTHERA045NP.TXT

Output Set: N:\CRF4\07072006\J584338.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application Number